UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. YOR920030635US1 (17343)

Total Pages in this Submission

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application

P.O. Box 1450 Alexandria, VA 22313-1450	
Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for invention entitled: ULTRA-THIN SOI VERTICAL BIPOLAR TRANSISTORS WITH AN INVERSION COLLECTOR ON THINBURIED OXIDE (BOX) FOR LOW SUBSTRATE-BIAS OPERATION AND METHODS THEREOF	
	3. PTC
and invented by: Herbert L. Ho	36
Mahender Kumar Qiqing C. Ouyang Paul A. Papworth Christopher D. Sheraw Michael D. Steigerwalt	19270
If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:	
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:	
Which is a: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Which is a:	
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:	
Enclosed are: Application Elements	
1. 🗵 Filing fee as calculated and transmitted as described below	
2. Specification having pages and including the following:	
a. 🛛 Descriptive Title of the Invention	
b. Cross References to Related Applications (if applicable)	
c. Statement Regarding Federally-sponsored Research/Development (if applicable)	
d. Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix	
e. 🗵 Background of the Invention	
f. 🗷 Brief Summary of the Invention	
g. Brief Description of the Drawings (if filed)	
h. 🛮 Detailed Description	
i. 🛮 Claim(s) as Classified Below	
j. 🛭 Abstract of the Disclosure	

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Application Elements (Continued)

3.	X	Drawing(s) (when necessary as prescribed by 35 USC 113)					
	a.	➤ Formal Number of Sheets					
	b.	☐ Informal Number of Sheets					
4.		Oath or Declaration					
	a.	☐ Newly executed (original or copy) ☐ Unexecuted					
	b.	☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)					
	C.	☐ With Power of Attorney ☐ Without Power of Attorney					
	d.	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).					
5.		Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.					
6.		CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)					
7.		Application Data Sheet (See 37 CFR 1.76)					
8.		□ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)					
	a.	☐ Computer Readable Form (CRF)					
	b.	☐ Specification Sequence Listing on:					
		i. CD-ROM or CD-R (2 copies); or					
		ii. 🔲 Paper					
	C.	Statement(s) Verifying Identical Paper and Computer Readable Copy					
		Accompanying Application Parts					
9.		Assignment Papers (cover sheet & document(s))					
10.		37 CFR 3.73(B) Statement (when there is an assignee)					
11.		English Translation Document (if applicable)					
12.		Information Disclosure Statement/PTO-1449 Copies of IDS Citations					
13.		Preliminary Amendment					
14.	X	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)					
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)					
16.	X	Certificate of Mailing					
		☐ First Class ☑ Express Mail (Specify Label No.): EV219147618US					

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Total Pages in this Submission

		Accompanying Application Parts (Continued)
17.	X	Additional Enclosures (please identify below):
		ASSIGNEE NAME: INTERNATIONAL BUSINESS MACHINES CORPORATION ASSIGNEE ADDRESS: ARMONK, NEW YORK
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
18.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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(19) CORRESPONDENCE ADDRESS CUSTOMER NUMBER 23389

cc:

Fee Calculation and Transmittal

		CLAIMS	S AS FILED			
For	#Filed	#Allowed	#Extra		Rate	Fee
Total Claims	31	- 20 =	11	х	\$18.00	\$198.00
Indep. Claims	3	- 3 =	0	х	\$86.00	\$0.00
Multiple Depende	nt Claims (checl	(if applicable)		_		\$0.00
					BASIC FEE	\$770.00
OTHER FEE (specify purpose)					\$0.00	
	* ***				TOTAL FILING FEE	\$968.00
as described below. Charge the amount of \$968.00 as filing fee. Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Signature Steven Fischman Registration No. 34,594						
SCULLY, SCOTT, MURPHY & PRE 400 Garden City Plaza Garden City, New York 11530				RESSER		

(516) 742-4343

To be assigned Herewith Unassigned Unassigned Invention: ULTRA-THIN SOI VERTICAL BIPOLAR TRANSISTORS WITH AN INVERSION COLLECTOR	CERTIFICATE OF N Applicant(s): Herbert L.	IAILING BY "EXPRESS I Ho, et al.	MAIL" (37 CFR 1.10)	Docket No. YOR920030635US1 (17343)
I hereby certify that this NEW UTILITY PATENT APPLICATION (Identify type of correspondence) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service of 37 CFR 1.10 in an envelope addressed to: Director of the United States Patent and Trademark Office, P.O. 1450, Alexandria, VA 22313-1450 on February 25, 2004 (Date) Steven Fischman (Typed or Printed Name of Person Mailing Correspondence) EV219147618US ("Express Mail" Mailing Label Number)		•		Group Art Unit Unassigned
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1450, Alexandria, VA 22313-1450 on February 25, 2004 (Date) Steven Fischman (Typed or Printed Name of Person Mailing Correspondence) (Signature of Person Mailing Correspondence) EV219147618US ("Express Mail" Mailing Label Number)	is being deposited with	the United States Postal Servi		to Addressee" service under
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